

What is claimed is:

1. A method for treating the skin of a patient, comprising:

(a) providing an instrument body with a distal working surface that carries an
5 abrading structure for engaging and abrading the skin together with a vacuum source coupled to at least
one aperture about said working surface,

(b) translating the working surface device over the skin to thereby abrade the skin
surface; and

(c) contemporaneously actuating the vacuum source to thereby cause suction
10 engagement of the skin against the working surface and to aspirate skin debris through the at least one
aperture.

2. The method as in claim 1 further comprising the step of providing a fluid to the skin to
enhance suction engagement of the skin against the working surface.

15 3. The method as in claim 2 wherein the fluid is provided from a fluid source to a distal region
of the instrument body.

4. The method as in claim 3 wherein the fluid is provided from a fluid source to at least one
20 outflow port in the working surface.

5. The method as in claim 2 wherein the fluid is provided with a pharmacologically-active
agent for treating skin.

6. The method as in claim 2 wherein the fluid is provided with an agent selected from the class consisting of citric acid and lactic acid.

7. The method as in claim 2 wherein the fluid is provided with an agent selected from the class
5 comprising TCA (trichloroacetic acid), glycolic acid, alphahydroxy acid (AHA).

8. The method as in claim 2 wherein the fluid is provided with an acid for etching the skin surface.

10 9. The method as in claim 2 wherein the fluid is provided with a crystalline abrasive.

10. The method as in claim 1 wherein step (a) provides a working surface with undulations for increasing the area of the working surface for engaging skin.

15 11. A system for treating the skin surface of a patient, comprising an instrument body with a working surface that carries an abrading structure for abrading skin, at least one opening in the working surface coupled to a passageway that extends to a remote vacuum source for suctioning the skin against the working surface, wherein the abrading structure defines a multiplicity of sharp apices for abrading tissue.

20 12. The system of Claim 11 wherein the abrading structure is carries about a plurality of undulations in the working surface.

13. The system of Claim 11 further comprising at least one media inflow port in the working surface for delivering a flowable media to the skin during treatment.

14. The system of Claim 11 wherein the at least one media inflow port in the working surface communicates with a fluid media canister in the instrument body.